

CONTINUOUS ALLOCATION
OF REAL-TIME TRAFFIC IN A
TELECOMMUNICATION SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A method for continuous allocation of real-time (e.g., speech) traffic in a communication system is disclosed, whereby a network allocates, for a timeslot or other medium, a unique radio block for real-time traffic that immediately succeeds a control block (or block otherwise non-allocable for real-time traffic) which is also allocated for that timeslot. The unique radio block is allocated to carry the unit of real-time traffic displaced by the control block, along with the next unit of real-time traffic. The two units of real-time traffic in the allocated radio block are each conveyed in a half-rate mode,
10 while the real-time traffic in a normal radio block is conveyed in a full-rate mode. In this way, the output signals of, for example, a speech codec can be continuously allocated for transmission.